

Title (en)  
CATHETER

Publication  
**EP 0223003 A3 19870819 (DE)**

Application  
**EP 86112610 A 19860911**

Priority  
DE 3540949 A 19851119

Abstract (en)  
[origin: US4759752A] A catheter having a proximal end provided with a nonreturn valve consisting of the catheter tubing end and of a rigid insert body whose rearward end is fixed in the catheter tubing. Bypass channels extend passed the end. The front end of the insert body is a cylindrical plug whose peripheral surface is joined by the catheter end acting as a valve hose. In case of overpressure in the catheter tubing, the tubing end is lifted from the plug and the pressure medium may escape accordingly.

IPC 1-7  
**A61M 25/00**

IPC 8 full level  
**A61M 39/00** (2006.01); **A61M 25/00** (2006.01)

CPC (source: EP US)  
**A61M 25/0075** (2013.01 - EP US); **Y10T 137/7889** (2015.04 - EP US)

Citation (search report)

- [AD] EP 0018179 A2 19801029 - UNIV MINNESOTA [US]
- [A] US 3841308 A 19741015 - TATE T
- [A] DE 1704133 U 19550804 - HOPF A METALLWERKE KG [DE]

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**DE 3540949 C1 19870102**; EP 0223003 A2 19870527; EP 0223003 A3 19870819; JP S62129063 A 19870611; US 4759752 A 19880726

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**DE 3540949 A 19851119**; EP 86112610 A 19860911; JP 27637986 A 19861119; US 93078486 A 19861114